

User Guide for the RoboTRAK Presenter Tracking System

This automated two-camera system tracks you as you move around the room.

Features

- IR-based presenter tracking for medium to large rooms
- Designed for educators, in consultation with educators – move around, turn your head, invite others to the front of the room... the camera stays on you
- Switch between tracking and preset positions
- No belt pack – comfortable, highly wearable design
- Tracking lanyard with extension available – back loop can be placed over clothing or hair
- Up to 40 hours of lanyard battery power; 25 hours typical
- Recessed battery disconnect switch for full lanyard power-down – conserve battery life during storage; no risk of accidental actuation

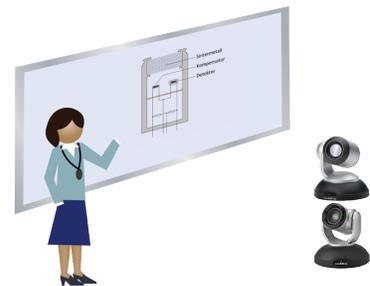
Operating and Presenting with the RoboTRAK System

The system can operate in tracking mode, or you can control the video camera as you would do with any PTZ camera.

How It Works

To present with the system in tracking mode, you wear the lanyard, which is an infrared (IR) source that the IR camera can track. In tracking mode, the IR camera follows the lanyard, and the video camera follows the IR camera. Command the space! Turn around, move into the audience – the RoboTRAK system won't lose you.

When you want to stop tracking and go to a shot that's already been set up and saved – a preset – you will need to use the presentation controls. Because the system uses an IR source for tracking, the video camera's IR remote is typically not used.



Tips for Great Presentations

To get the most out of the RoboTRAK presenter tracking system:

- Wear the IR lanyard outside your clothing, so it is clearly visible. The IR camera needs to "see" the IR emitters in the lanyard to follow your movements.
- Be sure the back of the lanyard is clearly visible, not tucked under your collar or hair. A lanyard with a back loop extension is available for presenters whose hair, head covering, or clothing may otherwise cover the lanyard ribbon. This lets the camera keep following you even when you turn around.
- If you are moving and the light on the IR camera starts blinking green, the IR camera has lost you. Be sure the lanyard is visible over your clothing and hair.
- Stay 12 feet (3.7 m) or more from the cameras. The video camera does not zoom while the system is tracking.
- If you are co-presenting with another person and both of you to have lanyards, turn off your lanyard as your co-presenter turns on their own. This ensures a smooth transition.
- When you invite others to the front of the room, be sure they do not block the line of sight between the IR camera and your lanyard.

Starting Your Presentation

1. Be sure the light on the IR camera is green and steady, meaning the system is in tracking mode.
2. Put on the lanyard.
3. Turn on the lanyard by pressing the button at the center of the medallion. Blue light shines from the sides of the light ring.
4. If the light ring does not illuminate, turn on the power/battery disconnect switch.
5. Move in front of the IR camera. The system starts tracking you immediately.

Presentation Controls

The operator's page of the web interface provides presentation controls. Your room AV system may provide this page. It includes:

Tracking on/off control – Enables or disables tracking. When tracking is on and the lanyard is on, the IR camera follows the lanyard if the lanyard is within the camera's tracking area.

Macros – Custom controls for your RoboTRAK system. These include presets.

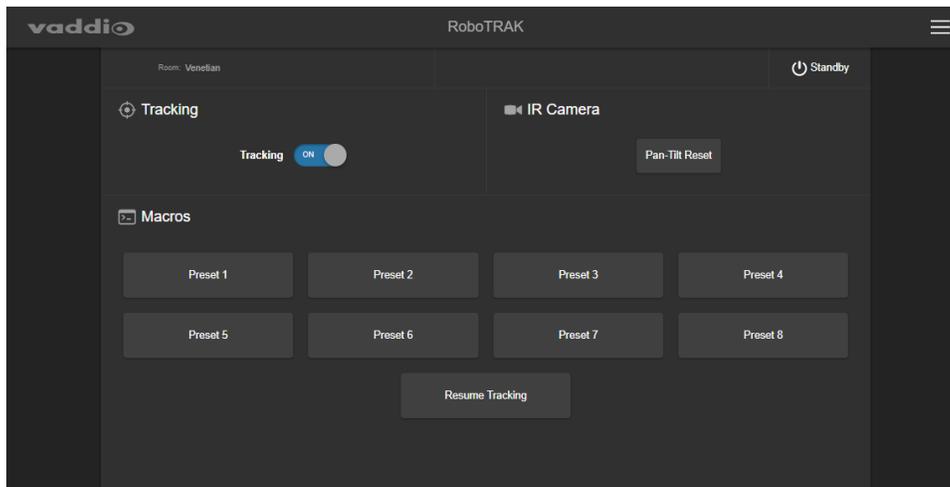
When you use a preset macro, the video camera stops following the IR camera. The IR camera continues to follow the lanyard, and the video camera goes to the preset. Select Resume Tracking to go back to normal tracking behavior.

Note

Although the system is pre-configured with preset macros, these only work if the video camera has been configured with the presets.

Standby control – Put the IR camera in standby, or return it to its active state. This may also control the video camera's state, depending on how the system is configured.

Pan/tilt reset – For use in the event of a motor calibration error (blinking yellow light). This can happen if the IR camera is jostled during installation.



If your room AV system uses a third-party control device, the controls will not match this screen shot.

Lanyard Status Light

The ring on the lanyard's center button is a status light that aims the light to the sides, so you can see it while wearing the lanyard.

- Blue – The lanyard is active; the IR LEDs in the ribbon are on and can be tracked
- Blinking yellow – The battery is too low to power the IR LEDs; no camera tracking possible
- Green or flashing green every 5 seconds – Charging

If the ring is dark, this can mean several things.

| If the lanyard is... | And the button's behavior is... | It means... |
|------------------------------|--|---|
| Not connected to the charger | Lights up blue when pressed | The lanyard is ready for use. |
| | Flashes yellow twice when pressed | The battery is too low to power the IR LEDs. |
| | Remains dark when pressed | The battery is completely discharged, or the recessed battery disconnect switch is off (farther from the connector for the charging cable). |
| Connected to the charger | Lights up green if the lanyard is disconnected and reconnected | The battery is fully charged. |
| | Remains dark if the lanyard is disconnected and reconnected | The recessed battery disconnect is off and no charging has occurred. |

Tips for Handling and Storing the Lanyard

Please handle the lanyard with care. Both the medallion and the ribbon contain electronic components that can be damaged if handled roughly.

- When you take off the lanyard, slip it over your head rather than using the safety clasp.
- Do not bend the lanyard ribbon where it joins the medallion.
- Coil the ribbon loosely. Pinching or creasing it will damage it.
- Connect the lanyard to its charging cable at the end of each day.



Quick Reference: How the Cameras Behave

| If the cameras are doing this... | It means... |
|---|--|
| Both cameras are pointed in the same direction. They are not moving. The light on the IR camera is green. | The system is ready to track. To start tracking, turn on your lanyard by pressing the center button. If it does not illuminate, check the recessed battery disconnect switch – the raised part should be closer to the connector for the charging cable. |
| Both cameras are moving together, and the light on the IR camera is green. | The system is tracking. |
| The cameras are pointed in different directions. The lights on both cameras are blue. | The video camera is on a camera preset or tracking mode is turned off. |
| The IR camera pans and its light blinks green. The video camera does not move. | The IR camera is searching for the IR signal from the lanyard ribbon. Check to be sure nothing is covering or obscuring the lanyard ribbon – especially in the back, if you turn away from the camera. The entire length of the ribbon contains IR sources. A lanyard with a back loop extension is available for presenters whose hair, head covering, or clothing may otherwise cover the lanyard ribbon. |
| After the IR camera searches, its light turns green and the video camera follows its movements. | The IR camera found the lanyard when it searched, and it is tracking again. |
| After the IR camera searches, its light turns green. Both cameras move to the home position and stop. | The IR camera did not find the lanyard when it searched. The cameras are now "parked" at the home position and ready to track. This happens when you turn off the lanyard. |
| The IR camera's light is blinking blue. | The IR camera is unable to communicate with the video camera. Contact your AV team for help. |

Vaddio is a brand of Legrand AV Inc. · www.legrandav.com · Phone 800.572.2011 / +1.763.971.4400 · Fax +1.763.971.4464 · Email av.vaddio.support@legrand.com

Vaddio is a registered trademark of Legrand AV Inc. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.

©2022 Legrand AV Inc.